

## MASS CHANGE

A. Purpose: To determine the change in mass.

B. Materials Tested: Adeka Ultraseal MC-2010M.

C: Test Method: The sample was dried to eliminated any initial moisture. The sample was dried for 25 days at 50° C. RESULTS IN TABLE 2. The sample was then weighed and then immersed in water for 38 days. After immersion the sample was removed and dried for 23 days at 50° C. RESULTS IN TABLE 3.

	0 DAYS		25 DAYS	
MC-2010M	WT (g)	12.581	WT (g)	12.296
	%	0.0%	%	1.2%

TABLE 2

		0 DAYS	38 DAYS (WET)	23 DAYS (DRY)
MC-2010M	WT(g)	WT (g)	11.565	11.262
	0%	0%	87.6	2.6

TABLE 3

MASS CHANGE = (WT% CHANGE (23 DAY DRYING TIME AFTER IMMERSION) MINUS (ORIGINAL WT% CHANGE BEFORE IMMERSION). RESULTS IN TABLE 4.

	Mass Change	Method
MC-2010M	1.4 wt%	2.6 wt% - 1.2 wt%

TABLE 4

**Mass Change of MC-2010M = 1.4% wt%.**

The mass change difference indicates very little loss of hydrophilic agent in the MC-2010M.